

10/533626

PCT/PTO

02 MAY 2005

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
21 May 2004 (21.05.2004)

PCT

(10) International Publication Number
WO 2004/042144 A1

(51) International Patent Classification⁷: D21G 9/00
// D21F 7/00

(21) International Application Number:
PCT/FI2003/000810

(22) International Filing Date:
3 November 2003 (03.11.2003)

(25) Filing Language: Finnish

(26) Publication Language: English

(30) Priority Data:
20025048 4 November 2002 (04.11.2002) FI

(71) Applicant (for all designated States except US): METSO
PAPER, INC. [FI/FI]; Fabianinkatu 9 A, FIN-00130
Helsinki (FI).

(72) Inventors; and

(75) Inventors/Applicants (for US only): AHVENNIEMI,
Vesa [FI/FI]; Heinätie 13 A, FIN-00730 Helsinki (FI).
KINNUNEN, Jorma [FI/FI]; Johan Sederholmintie 2 B
22, FIN-00810 Helsinki (FI).

(74) Agent: KESPAT OY; P.O. Box 601, FIN-40101 Jyväskylä
(FI).

(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, EG, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT (utility model), PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SI, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

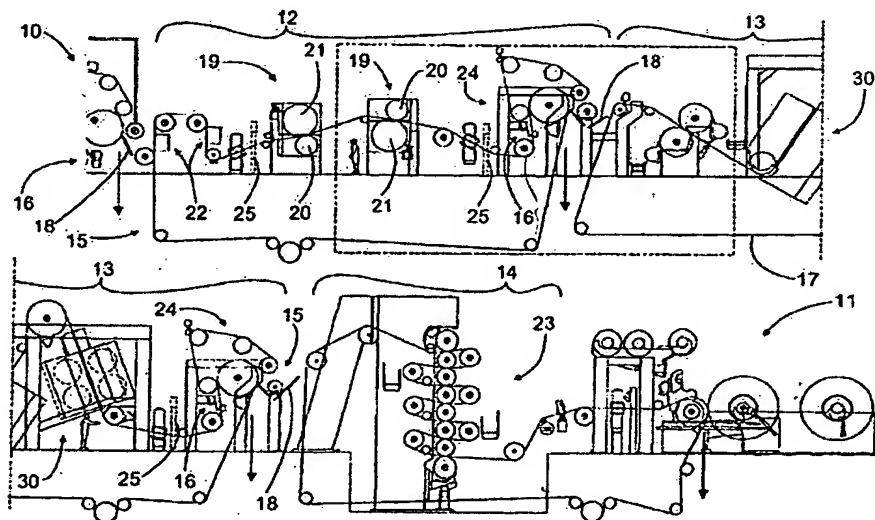
(84) Designated States (regional): ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND ARRANGEMENT IN THE ON-LINE FINISHING OF THE PAPER MACHINE



(57) **Abstract:** The invention relates to a method in the on-line finishing of the paper machine comprising the successive finishing stages of at least precalendering (12) and coating (13). In the method, a tail is formed from the paper web and this tail is taken through the finishing stages (12, 13). After this the paper web is spread to the full width. Prior to starting the tail threading procedure of the following finishing stage (12, 13) this finishing stage (12, 13) is set to the production settings while the paper web is spread in its full width. The invention also relates to an arrangement in the on-line finishing of the paper machine.

WO 2004/042144 A1